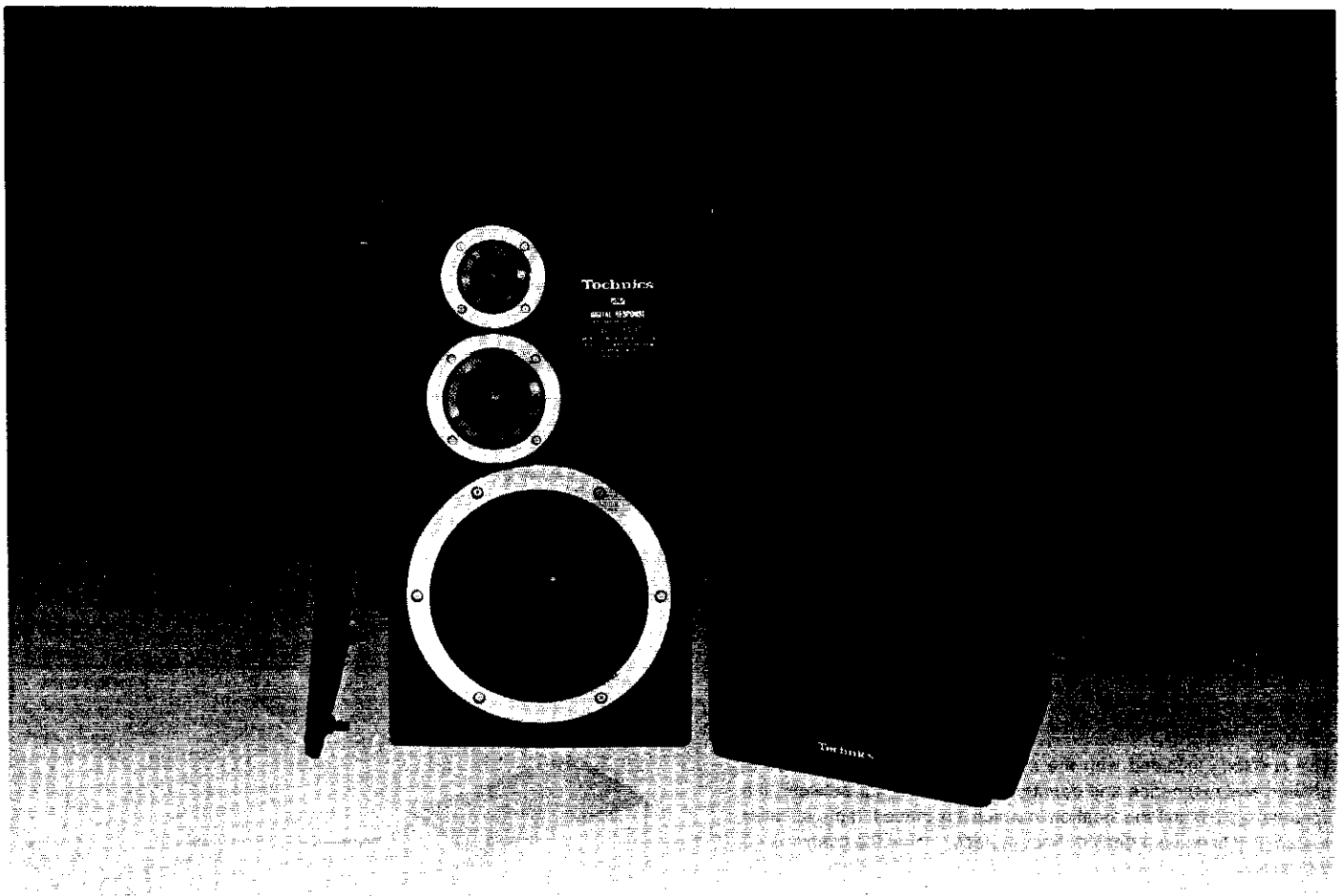


# Technics

3-way speaker system

## SB-CD301

### OPERATING INSTRUCTIONS

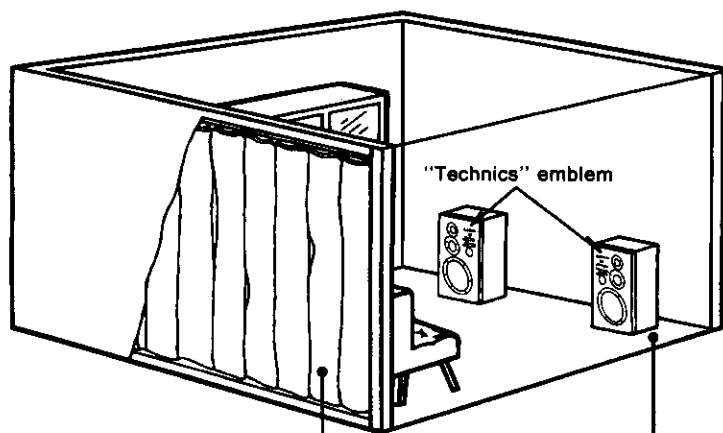


## Dear Stereo Fan

We want to thank you for selecting this product and to welcome you to the growing family of satisfied Technics product owners around the world. We feel certain you will get maximum enjoyment

from this new addition to your home. Please read these operating instructions carefully, and be sure to keep them handy for convenient reference.

# Placement for Better Aural Effect



### ■ Use thick curtains or similar material.

This will prevent sound reflection and vibration resonance if the speakers face a solid wall or glass doors across the room.

### ■ Keep magnetic tapes, clocks, etc. away.

If such items are placed on or near a speaker system, they might become magnetized.

### ■ The rear panel should face a wide, solid wall.

For rich bass and a superior aural effect.

### ■ The "Technics" emblem should be facing inward, toward the other speaker system.

### ■ Place away from a turntable or disc player.

If a turntable is located on the same base or stand as a speaker system, or near it, the vibration from the speaker system might cause a high-pitched "howling" sound.

If this occurs, it may help to use a cushioning material beneath the speaker systems and/or the disc player or turntable.

### ■ When placed beside a TV

Although this unit is designed to prevent color irregularity or color deviation in TV pictures, such deviation may, depending on the type of TV, occur.

If this happens, the problem might be corrected by switching OFF the TV for 15 to 30 minutes. The TV's own self-degaussing function may clear up the problem when the TV is switched ON again.

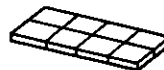
If it does not, a greater distance from the TV set is suggested. Take care regarding placement, because TV color irregularity or deviation may occur due to interaction with this unit if any device that generates magnetism, such as a magnet, etc., is placed nearby.

### ■ Place on a solid and firm base.

For unclouded bass and an overall clear tone quality.

### Accessory

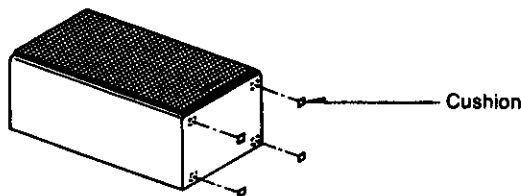
• Cushions ..... 8



## Connections

### Installation of the cushions

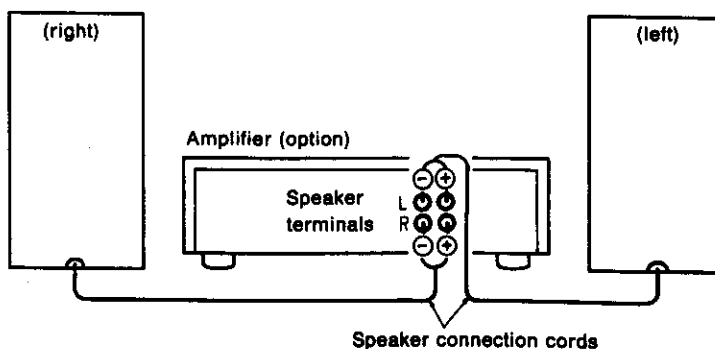
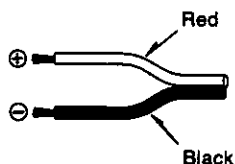
The cushions included with the speaker system are designed to prevent any resonance and damage that might occur between the speaker system and the location in which it is placed. If the speaker system is placed on a desk or floor surface, install the cushions on the bottom.



### Connections to the amplifier

#### Notes:

- Before making the connections, be sure to switch OFF the power to the amplifier.
- Use with an amplifier with speaker terminals of 8  $\Omega$  or lower impedance.
- Be sure to connect the black speaker connection cord to the negative terminal and the red speaker connection cord to the positive terminal.



# Protection Circuitry

This unit incorporates speaker-protection circuitry to protect the midrange and tweeter from damage caused by excessive input or abnormal signals; when excess input is detected, the input is automatically interrupted.

Note that there is no interruption of woofer input, however, because there is no woofer protection circuitry.

## ■ If midrange and tweeter sound is interrupted ...

1. Reduce the volume level setting of the amplifier.
2. Check whether or not there is any abnormal condition of the equipment used as the sound source, or of the connections. If there is no abnormal condition, the protection circuitry will be automatically reset a few moments later.

## ■ After the protection circuitry is reset ...

Take care not to increase the amplifier's volume level too high.

## Notes

### A word about excessive input

Be sure, in the following instances, to reduce the volume level setting at the amplifier in order to avoid damaged circuitry or other malfunctions.

#### ■ When the signal input exceeds the rated allowable input. (Refer to the unit's ratings.)

- When a high-output amplifier is used.
- When the amplifier's tone controls or graphic-equalizer controls are used to increase the level of treble and/or bass sounds.

#### ■ When any of the following types of signals are input, even if the allowable input rating is not exceeded.

- When the signal input to the amplifier is too great, or when the amplifier's volume level setting is too high.
- When there is noise between FM broadcast stations.
- When there is high-frequency noise during tape rewinding or fast forwarding.
- When there is high-pitched "howling" or squealing from a microphone.
- When there is electrical "shock" noise when the power switch (of the amplifier or other equipment) is switched ON or OFF.

- When there are continuously repeated signal sounds produced by an oscillator, an electronic organ or other musical instrument, a test disc, etc.
- When there is the sound of continuous high-frequency components resulting from a music source using a synthesizer or similar instruments.

### Placement notes

Avoid locations such as described below.

- In direct sunlight or where the temperature is high
- Where there is excessive vibration
- Where the humidity is high

### Other notes

Also please note the following.

- Never use alcohol or paint thinner. These and similar chemicals should never be used, because they may damage the finish.
- Do not touch the diaphragms. To do so might cause distortion.

## Maintenance

To clean this unit, use a soft, dry cloth.

If the surfaces are extremely dirty, use a soft cloth, dipped into a soap-and-water solution or a weak detergent solution.

Wring the cloth well before wiping the unit.

Wipe once again with a soft, dry cloth.

Never use alcohol, paint thinner, benzene, nor a chemically treated cloth to clean this unit.

Such chemicals may damage the finish of your unit.

## Technical Specifications

Type	3-way 3-speaker system	Output Sound Pressure Level	89 dB/W (1.0 m)
Speakers	Bass-reflex	Crossover Frequencies	4,000 Hz, 10,000 Hz
	Woofer: 23 cm cone type	Frequency Range	35 Hz~23 kHz (–16 dB)
	Midrange: 6 cm cone type	Dimensions (W × H × D)	298 × 545 × 265.5 mm
	Tweeter: horn type	Weight	8.1 kg
Impedance	8 ohms		
Input Power	100 W, Music		